

Strength and Wear of Induction and Case
Hardened Spur Gears, by H. Glaubitz, 9 pp.

GERMAN, b/wk per, Stahl und Eisen,
Vol LXXI, No 20, Sep 1951, pp 1040-1044.

S.L.A.

Scientific - Engineering
CTS 70/Jul 55

25, 181

Development of the Hard-Metal Alloys in Germany, by
Ammann, Hinüber.

GERMAN, per, Stahl u Eisen, Vol LXXI, 11 Oct 1951,
pp 1081-1090.

Co-op Tr Serv Br 562
(5.0.0)

EE - Germany
Econ
Nov 57

55, 85-2

<p>Ballhausen, Carl. CHANGES IN PRODUCTION TECHNIQUE OF HARD METAL ALLOYS. Rept. no. 10 of the Committee for Powder Metallurgy of the [Verein Deutscher Eisen- hüttenleute]. [1961] 23p. (50 figs. omitted) 9 refs. Order from SLA \$2.60 Trans. of Stahl [und] Eisen (West Germany) 1951, v. 71, no. 21, p. 1090-1097.</p> <p>DESCRIPTORS: *Powder metallurgy, *Tungsten, Sintering, *Refractory materials, *Alloys (Metallurgy, TT, v. 6, no. 3)</p>	<p>61-16164</p> <p>I. Title: Hard metal alloys I. Ballhausen, C. II. Title: Verein...</p> <p>61-16164</p> <p>175243</p> <p>Office of Technical Services</p>
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Bensch, Emil. THE PROPERTIES OF SINTERED IRON COMPONENTS AS DEPENDENT ON THE TYPE OF POWDER AND ITS CONDITIONS OF MANUFACTURE. [1963] [38]p. 23 refs. Order from SLA \$3.60	63-16779 I. Bensch, E. II. Verein...Berichte-11
Trans. of Stahl und Eisen (West Germany) 1951, v. 71, no. 21, p. 1103-1114 (Verein Deutscher Eisenhütten- leute (West Germany). [Berichte]-11).	63-16779
DESCRIPTORS: *Iron, *Sintering, *Powder metal- lurgy, Porous metals, Manufacturing methods, Mechanical properties.	
Topics include: The inherent properties of compact and porous powders; edge strength, shrinkage, and surface characteristics of powders; freedom from oxygen and chemical purity of the powder, compression strength with lower pressure; dependence of the mechanical prop- (Metallurgy--Ferrous Metals, TT, v. 10, no. 7)(over)	Office of Technical Services

Ballhausen, Carl.
MACHINING OF HARD METAL ALLOYS WITHOUT
GRINDING (Bearbeitung von Hartmetalllegierungen
ohne Schleifen). [1962] 9 Jp. (Foreign not included)
9 refs.
Order from SLA \$1.10

Trans. of Stahl u[nd] Eisen (West Germany) 1951,
v. 71, no. 21, p. 1114-1115.

DESCRIPTORS: *Metals, *Alloys, *Machining,
Hardness.

(Metallurgy, TT, v. 8, no. 5)

62-16051

L Ballhausen, C.

Office of Technical Services

On the Development of Cracks in the Rotary Swaging
of H Steel Wire, by W. Pungel

Full translation.

GERMAN, per, Stahl und Eisen, Vol IXXI, No 22, 1951,
pp 1137-1140.

Brutcher Tr No 2834

Scientific - Engineering Jul 53 CTS/DEX
Price \$1.85

3966

Recent Developments in Sintered Parts, by
Helmut Wendeborn, 16 pp.

GERMAN, per, Stahl und Eisen, Vol LXXI, No 23,
1951, pp 1212-1218.

SLA 60-18617

203,568

Sci
Jul 62

Vol 4, No 12

<p>Hülsbruch, W. PROPER HEATING AND HOLDING TIMES IN AN- NEALING AND HEAT TREATING OF STEELS. [1962] 14p. (tables figs. refs. omitted). Order from SLA \$1.60</p> <p>Trans. of Stahl und Eisen (West Germany) 1951, v. 71, no. 23, p. 1219-1225 ([Verein Deutscher Eisenhutten- leute (West Germany). Berichte]-700).</p> <p>DESCRIPTORS: *Steel, Heat treatment, Annealing, Processing, *Austenite, Grains (Metallurgy).</p> <p>(Metallurgy--Ferrous Metals, TT, v. 8, no. 10)</p>	<p>62-16981</p> <p>I. Hülsbruch, W. II. Verein ... Berichte-700</p> <p>62-16981</p> <p>Office of Technical Services</p>
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Influence of Efficiency in Pickling Baths on Bright
Steel, by P. von der Heide, 1951.

DESSAU, pcc, Stahl u Eisen, Vol. LXII, No 2, 1951,
pp 1148-1155.

British Iron and Steel Ind
(no number given)

Sci - Min/Net
Sep 59

98 191

The Use of Oxygen in Basic Open-hearth Operation
by K. Heinrich.

GERMAN, Stahl und Eisen, Vol 71, 1951, No 23,
pp 1199-1204.

Brutcher Tech Tr No 2847

Recent Developments in Sinter Plants, by
Helmut Wendehorn, 16 pp.

GERMAN, per, Stahl und Eisen, Vol LXXI, No 23,
1951, pp 1212-1218.

SLA 60-18617

Sci
Jul 62

Vol 4, No 12

Suitable Heating and Holding Times in Commercial Heat
Treating of Steel, by W. Hulsbruch,

GERMAN, par, Stahl und Eisen, Vol LXXI, No 23,
1951, pp 1219-1225.

27,836

Brutcher Tr 3503

Scientific - Min/Metals

Oct 55 CTS

Lining of Blast Furnaces With Carbon Brick, by
A. Send.

GERMAN, per, Stahl und Eisen, Vol LXXI, No 25, 1951,
pp 1361-1365.

Brutcher No 3185
\$4.40

4-0, 672

Sci - Min/metals

Cases of Damage to Steam Turbines and How to
Prevent Such Damage, by E. Pohl.

GERMAN, per, Stahl und Eisen, Volm LXXI,
No 25, 1951, pp 1375-1379.

24,648

Brutcher Tr. 3512
\$4.80

Scientific - Engineering Jun 55 CMS

The Effect of Bearing Shape on Load-Carrying Capacity
and on Performance Reliability, by Alfred Buske,
13 pp. UNCLASSIFIED

Full translation.

GERMAN, per, Stahl und Eisen, 20 Dec 1951, pp 1420-1433.

Navy Tr 658/BuShips 489

Scientific - Engineering

Desulfurization of Pig Iron With Powdered Burnt Lime, by W. Beding.

GERMAN, per, Stahl und Eisen, Vol IXXXI, No 25, 1951,
pp 1440-1442.

Bratcher Tr 2843

Scientific - Min/Metals

\$5.20

12,965



Investigations on the Annealing of Steel From the Hot-
Working Temperature With Internal Transformation,
by E. Theis

GERMAN, per, Stahl und Eisen, Vol. LXXI, No 26,
1951, pp 1433-1440.

Bratcher Tr No 3032

Scientific - Metallurgy

Price \$9.40

1373

Experience With a Box-Type Roof on a 40-Ton Open-Hearth Furnace, by Ernst Meier-Cortes, 6 pp.

GERMAN, per, Stahl und Eisen, Vol LXKII, No 1, 1952, pp 10-12.

SIA 60-18618

Sci

146,111

Apr 61

Stringers in Stainless Steel, by O. Krifka

GERMAN, per, Stahl und Eisen, Vol LXXII, No 1,
1952, pp 39-42.

Brutcher Tr 3112

Scientific - Minerals/Metals
CTS/DEX Price \$5.90

5890

Werth, S.
METHODS FOR MEASURING AND PRODUCTION OF
BORES OF WIRE, WITH PREDETERMINED
ROUNDING-OFF RADII AND BEARING LENGTHS.
[1962] 9p. (figs. tables formulae omitted).
Order from SLA \$1.10 63-10005

Trans. of Stahl und Eisen (West Germany) 1952,
v. 72, no. 2, p. 66-69.

DESCRIPTORS: Measurement, Production, *Boreholes,
*Wire, Dies, Drawing (Machine processing).

Differences in dimensions in the use of conical test
needles for the determination of the cylindrical bearing;
length z in drawing tools obtained from measuring
values of both the angular drawing bore and the final
form with rounded off edges make it possible, on the
(Machinery--Manufacturing, TT, v. 9, no. 11) (over)

63-10005

1. Title: Boring
1. Werth, S.

Office of Technical Services

The Influence of Coil Weight And The Rolling Speed Upon the Hourly Output of Cold-rolling Mills, by Hans Parnek, 18 p.

GERMANY, par., Stahl und Eisen, 1952, Vol LXXII,
No 2, pp 70-75.

SLA 59-17132

Sci
Jan 60
Vol 2, No 8

105 477

Rolling Output and Efficiency of Utilisation of
Cold-Rolling Stands in General Terms, by Werner
Lueg, 8 pp.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 2,
1952, pp 75-79.

SLA 60-18620

Sci

146,137

Apr 61

Development and Experiences With Basic
Chrome-Magnesite Roofs on Large Tilting
Open-Hearth Furnaces, by Werner Lange, 10 pp

APPROVED FOR RELEASE: Thursday, July 11, 2002

CIA-RDP84-00581R000401230033-2

GERMAN, per, Stahl und Eisen, Vol LXXII, No 6,
1952, pp 284-287.

SLA 60-18622

Sci

146,135

Apr 61

Improvement of Basic Bessemer Steel by Adding
Oxygen to the Blast, by W. Dick.

GERMAN, Stahl und Eisen, Vol 72, 1952, No 5,
pp 233-242.

Brutcher Tech Tr No 2896

<p>Bertram, Walter. THE MANUFACTURE OF THOMAS STEEL WITH ADDITION OF LIMESTONE AND OXYGEN. [1963] 9 refs. Order from SLA \$1.10 63-16829</p> <p>Trans. of Stahl und Eisen (West Germany) 1952, v. 72, 28 Feb, p. 243-245 (Verein Deutscher Eisenhüttenleute (West Germany). [Berichte]-498).</p> <p>DESCRIPTORS: *Steel, Additives, Limestone, Oxygen.</p> <p>Through the use of oxygen, in the Thomas plant, there is being blown in current production, from the usual pig iron with 0.4% Si and a phosphorus content of 2.25%, a steel consistently having a maximum of 0.45% P and 0.004 to 0.007% nitrogen, which in its composition and in its properties for many purposes is equal to the high value Siemens-Martin steels. (Author)</p> <p>(Metallurgy--Ferrous Metals, TT, v. 10, no. 9)</p>	<p>63-16829</p> <p>I. Title: Thomas steel I. Bertram, W. II. Verein ... Berichte-498</p> <p>800px of Technical services</p>
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Production of Stainless Steels in the Electric Arc Furnace, Using Oxygen, by K. Bungardt,
E. Pekulla, K. Tesche.

GERMAN, Wirk per, Stahl und Eisen, Vol LXXII,
1952, No 5, pp 245-252.

Brutcher Tech Tr 2920

Scientific - Minerals/Metals

11
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Development and Experiences With Basic
Chrome-Magnesite Roofs on Large Tilting
Open-Hearth Furnaces, by Werner Lange, 100pp.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 6,
1952, pp 284-287.

SLA 60-18622

Sci

Apr 61

Production of Blast-Furnace Slag Wool Without
Bermitting, by G. Haeser, P. Dickens. UICL.

GERMAN, per, Stahl u Eisen, No 6, 1952,
pp 297-302.

British Iron and Steel. Ind
(no number given)

Sci - Min/Met
Sep 59

98, 307

Use of Dolomite Bricks in the Electric ARC Furnace
When Refining With Oxygen, by Harro Werwach, 11 pp.

GERMAN, per; Stahl und Eisen, Vol LXXXII, No 7,
1952, pp 341-345.

SLA 60-18423

Sci

Apr 61

146,164

On the Use of Dolomite Brick in Open-Hearth
and Electric Arc Furnaces, by F. Garvis.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 7,
1952, pp 345-347.

Henry Bratcher Tr No 3354
\$4.65

47,051

Sci - Min/Metals
Apr 1957 CTS/dex

Friction, Wear, and Lubrication in Wire Drawing, by
W. Papsdorf

Full translation.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 8, 1952,
pp 393-399.

Brutcher Tr No 3050

Jul 53 CPS/DIX

Scientific - Minerals/Metals Price \$9.40

3506

Information and background, sacrifice of the Soviet
and Chinese in the Korean War
Oppenheimer, Robert Wilson, No. 3, 1950, pp. 18-19.

British Iron and Steel Ind
(no number given)

See 49
See 50

RE 2 70

Mathematical Investigation of the Drawing Process,
by E. Siebel.

GERMAN, per, Stahl und Eisen, Vol LXXII,
10 Apr 1952, pp 425-426.

BISI 2349
GB/41/2349

Sci - Math

168, 480

Sep 61

list 108

Production of Sponge Iron by the Wiberg-Soderfors Process, by J. Stalhed. 28 pp.

GERMAN, per, Stahl und Eisen, Vol LXXII,
1952, pp 459-466.

EX
Broken Hill Prop Co Ltd
(CRL/T.200)

SLA 63-16834
191, 707

Sci - Engr
EUR - German
Econ
Apr 62

Design and Operation of Modern Soaking Pits, by
Oskar J. Stebel, 21 pp.

GERMAN, per, Stahl und Eisen, Vol LXXXII, No 9,
pp 466-475, 1952.

SLA 60-18624

Sci

Apr 61

146,160

Spring Steels, Their Development, Characteristics
and Fields of Application, by S. Ammacher, 53 pp.

CHIRIAU, per, Stahl und Eisen, Vol LXXXI, No 9,
1952, pp 475-489.

CIA/FDD/2-47

EEur - Germany
Economic - Steel
Scientific - Engineering, steel

Mar 53 CTS

31

Properties of Sintered HardmetalX Alloys
Represented in a Comparison Graph, by
C. Ballhausen.

GERMAN, per, Stahl und Eisen, Vol LXXII,
No 9, 1952, pp 439-492.

Broken Hill Prop Co Ltd
(CRL/T 169)

Sci + Min/Met
Dec 61

175, 699

Resistance to Intergranular Corrosion of Ferritic and
Martensitic Stainless Chromium Steels, by
E. Houdremont, W. Tofaute,

GERMAN, per, Stahl u. Eisen, Vol LXXII, No 10,
1952, pp 539-545.

23,155.

Brisacher Tr No 3443

\$8.40

Mag

Min: 55 CPS

Apr

Scientific - Min/Metals

Protective Gases for the Heat-Treatment of Steel,
by E. Kunze.

GERMAN, per, Stahl u Eisen, Vol LXXII, Duesseldorf,
1952, pp 561-569.

The Iron and Steel Institute
Tr No 453 OT/415

Scientific - Physics, gases, heat-treatment, steel
Engineering

Index Aeronauticus

Effect of Blast-Furnace Operation on the Course of Reactions of Basic Bessemer Heats, by Oelsen, Eickworth.

GERMAN, semimonthly, Stahl und Eisen, Vol LXXII, 22 May 1952, pp 597-605.

Co-Op Tr Sch Tr 644
(3.15.0)

57,775

Sci - Engr
Jan 58

SLA 61-16363

Foreign in Particular Swedish, Steel Bar and
Rod Rolling Mills, by T. Dahl. UNCL.

GERMAN, per, Stahl u Eisen, Vol LXXII, May 22,
1952, pp 605-611.

British Iron and Steel Ind
(no number given)

Sci - Kim/Met
Sep 59

98/111

Deformation Ratios in the Thyssen Method of Rail
Calibration, by H. Vollmacher. UNCL

GERMAN, per, Stahl u Eisen, 22 May 1952,
pp 611-616.

SLA 60-18626
British Iron and Steel Ind
(no number given)

Sci - Engr
Sep 59

98, 423

models for Large Forgings, by S. Ammarella, B Grun

Full translation.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 12,
1952, pp 653-662.

Brutcher Tr No 3012

Scientific - Minerals/Metals Jul 53 CTS/DEX
Price \$9.80

3958

Influence of the Manufacturing Conditions in the
Steel Plant on the Quality of Forging-Grading
Steel Ingots, by Werner Heischkeil, 14 pp.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 12,
1952, pp 663-668.

SLA 60-18233

Sci

146,131

Apr 61

Effect of Processing Conditions on the Properties
of Heavy Forgings for Steam Turbines, by R. Schinn

GERMAN, per, Stahl und Eisen, Vol LXXII, No 12, 1952
pp 676-683.

Brutcher Tr 3077

Scientific - Minerals/Metals
CTS/DEX Price \$9.80

5921

The Deformability of Slag Inclusions in Steel
and Its Significance in the Assessment of
Forgings, by Erich Scheil, Rudolf Schnell, 8 pp.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 12,
pp 683-687, 1952

SLA 60-18627

Sci

146,151

Apr 61

Ultrasonic Testing of Heavy Steel Forgings by the
Pulse-Echo Technique, by R. Schinn, U. Wolff.

GERMAN

~~BRITISH~~, per, Stahl und Eisen, Vol LXXII, No 12,
1952, pp 695-702.

Brutcher Trans No 2964

Scientific - Metallurgy, steel, forgings, ultrasonic
testing

Investigation into the Formation of Black Spots on the
Rail Tread, by W. Janiche,
GERMAN, per. Stahl Eisen, Vol 72, N o 13, 1952,
pp 758-766.
BISI 9914

Oct 72

Invention Relating to Improving Bessemer
Steel by Adding Oxygen to the Blast, by
F. A. Tamm, et al. U.S.A.

Patent, 1952, Steel u Eisen, No 2,132,
pp 773-775.

British Iron and Steel Ind
(no number given)

See 1. 101/102
Sep 59

78, 267

Influence of Slag Control Upon the Gas Flow in
the Billet Furnace, by W. Wolf, UNCLASSIFIED

GERMAN, Stahl und Eisen, Vol 72, 1952, No 13, pp 777-778

Brutcher Order No 2994

Scientific

February 1953

The Effect of Aluminium on the Properties of
Mild Steels, by K. Born, W. Koch. VKCL

GERMAN, per, Stahl u Eisen, Vol IXXII, No 14,
1952, pp 820-832.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98/139

Galvanized Sheet and Strip, by W Brechmann,
UNCLASSIFIED

GERMAN, Stahl Und Eisen, Vol LXXII, 1952, No 14,
pp 824-833

Butcher Order No 3033
Price \$14 80

455

Scientific - Metallurgy

Continuous Casting of Steel by the Junghans Process, by
W. G. Speith, A. Bungeroth.

Full translation.

GERMAN, per, Stahl und Eisen, Vol IXXII, No 15, 1952,
pp 869-885.

Bratcher Tr No 2970

Author - Germany

Scientific - Metallurgy, casting, alloys, steel

Present Day Questions Regarding Steel Used for
Thin Sheet and Strip, by E. Schauff. UNCL

GERMAN, per, Stahl u Eisen, No 15, 17 Jul 1952,
pp 892-898.

British Iron and Steel Ind
(no number given)

Sci - Min/Mat
Sep 59

98,371

Schwalbe, Rolf.
PROPOSALS FOR TESTING METAL POWDERS.
[1963] 23p. 10 refs.
Order from SLA \$2.60

63-16835

63-16835
I. Schwalbe, R.
II. Verein ... Berichte-14

Trans. of Stahl und Eisen (West Germany) 1952,
v. 72, p. 898-904 [(Verein Deutscher Eisenhüttenleute]
(West Germany). [Berichte]-14].

DESCRIPTORS: *Powder metals, *Metallurgy,
Test methods, Quantitative analysis, Grain structure
(Metallurgy), Mechanical properties.

A compilation is made of the methods that appear
suitable to characterize the properties of metal
powders. The following tests are described, in part
based on those of the Metal Powder Association: (1)
Tests of chemical composition: Determination of
oxygen content, metallic constituents and insoluble
(Metallurgy, TT, v. 10, no. 8) (over)

Office of Technical Services

Recent Experiences With the Smelting of Iron Ores in
a Low-Shaft Furnace, by E. Killing.

GERMAN

~~REEDER~~, per, Stahl und Eisen, Vol LXXII, No 16,
1952, pp 925-928.

Brutcher Trans No 2938

Scientific - Minerals/Metals, Iron, Ores, Smelting,
furnace

Influence of Furnace Atmosphere on the Surface of
Tube Rounds and Tubes, by W. Scheurer

GERMAN, per, Stahl und Eisen, Vol LXXII, No 16,
1952, pp 935-941.

SLA 60-1023 v
Brutcher Tr 3086

Scientific - Minerals/Metals
CTS/DEX Price ~~\$9.95~~ \$9.90

5927

Measurement of Thicknesses of Less Than One Millimeter
(3/64") With Beta Rays, by A. Trout.

Full translation.

GERMAN, biwk per, Stahl und Eisen, Vol LXXII, No 16,
1952, pp 941-943.

Brutcher Trans No 3057

Scientific - Minerals/Metals

Sep 53 CTS

#3.40 price

4847

Measurement of Metal Thicknesses of up to About
25/64" With X-Rays and Geiger Counter, by H. W.
Fritze

GERMANY, per, Stahl und Eisen, Vol LXXXI, 1952,
No 16, pp 343-345.

Brutcher Order No 3058
Price \$2.20

1387

Scientific Metallurgy

Measuring the Thickness of Non-Magnetic Layers on
Non-Magnetic Basis Materials With Beta Rays and
Counting Tube, by R. Berthold

Full translation.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 16,
1952, pp 945-947.

Brutcher Tr No 3060

MM Jul 53 CTS/DEX

Scientific - Minerals/Metals Price \$3.20

3500

The Production of Steel by Converting With High Purity Oxygen, by O. Cuscolecta, K. Rosner, W. Kuhneit.

GERMAN, par, Stahl und Eisen, Vol LXXXII, 1952
pp 989-992.

Sci - Min/Met

US T.3242
United Steel
156908

Jun 61

Plant, Operation, and Economics of Oxygen (Converted)
Steelworks, by K Rosner

REPRINTED
GERMAN, per, Stahl und Eisen, Vol LXII, 1952, No 17,
pp 997-1004.

Brutcher Order No 3006
Price \$7.80

Scientific - Minerals/Metals Jun 53 CTS

2232

Structural and Crystalline Conditions After Cold
Forging and Alternating Stress, by M. Hempel, H. R.
Sander, H. M. Moller.

GERMAN, b/wk per, Stahl und Eisen, Vol LXXII,
No 18, Aug 1076-1056.

(1952) PP

D.S.I.R./27514

Sci - Engineering, Chemistry 46, 437
Apr 57 CBS/dex

The Standardization of Spring Steel Wires, by
E. Siebel, W. Panknin.

GERMAN, per, Stahl u Eisen, Vol LXXII, No 20,
1952, pp 1193-1195. CIA 9004655

U.S.I.R.O.
TIL No 4758

48, 485-

Sci - Engineering

Lubricant Carriers Used in the Drawing of High
and Low Carbon Steel Wires, by W. Lueg, K. H.
Treptow

GERMAN, per, Stahl und Eisen, Vol IXXII, No 20,
1942, pp 1207-1212.

5

Brutcher Tr 3244

Scientific - Minerals/Metals
CTS/DEX 11,408
 Price \$7.80

Boundary-Friction Lubricants (Chiefly for the Cold Working of Metals) by M. Kuhn, 2600 words.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 20, 1952,
pp 1212-1216.

Brutcher No 3551
\$4.80

Scientific - Minerals/metals

26,722

Sep 55

Comparison of the Mechanical Properties of Drawn Steel Wires After Patenting Carried Out in Melt Lead Baths, Salt Baths, and in Air, by C. Eisenhuth, H. Krautacher.

GERMAN, per, Stahl und Eisen, Vol. LXXII,
25 Sep 1952, pp 1217-1221.

BIBI 2313

Sci - Engr:

170, 104

Sep 51

G 6/41/2313

The Importance of Submicroscopic Carbide Precipitation
for the Development of High-Strength Structural
Steels, by Nehl.

GERMAN, semimo per, Stahl und Eisen, Vol LXXII,
1952, pp 1261-1267.

Periodicals Dept. No. 11
~~Co-op Tr Sch Tr~~ 599

Sci - Min/met
Jan 58

57,728

Influence of Aluminum on the Properties of Mild
Unalloyed Steels, by Kurt Born, Walter Koch.

Full translation.

GERMAN, per, Stahl u Eisen, Vol LXII, 1952, pp 1263-
1277.

Nova Scotia Fo 194

Scientific - Minerals/Metals

*Birchwood Steel Co.
462*

Aug 53 CTB

4599

Welding Tests on Steel With a High Yield Point
Increased by Submicroscopic Inclusions, by K. A.
Krekeler. UNCLASSIFIED 25 pp.

GERMANY, 1954, Stahl u Eisen, No. 21,
pp 1278-1285.

British Iron and
Steel Ind 1222
(L5 5s.0d.)

Sci + Engineering
May 59

SLA 61-20602

85,786

Progress in the Basic Lining of Open Hearth Furnaces,
by Luis Hutter, 30 pp.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 21,
1952, pp 1285-1298.

SLA 60-18236

S&1

Apr 61

146, 132

Straightening of Rolling Mill Products, by E. Siebel

GERMAN, per, Stahl und Eisen, Vol LXXII, No 21, 1952,
pp 1298-1301.

Brutcher Tr 2815

Scientific - Minerals/Metals
CTS/DENK Price \$5.80

5926

Gas-Sampling Equipment for the Supervision of the Working of the Blast Furnace, by W. Loorz.

All translation.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 22, 1952,
p 1325-1328.

Brutcher Tr 2999

Scientific - Blast furnace, operator

Metallographic and Physical Studies of Temper Brittleness of Alloy Structural Steels, by E. Kunze.

GERMAN, per, Stahl und Eisen, Vol LXXXII, No 22, 1952,
pp 1367-1368.

Bratcher Trans No 2978

: Scientific - Metallurgy, alloys, steel

Refining Basic-Bessemer Pig-Iron With Carbonic Acid-Oxygen Mixtures, by K. Mayer, H. Knuppel, E. J. Darmann. UNCL

GERMAN, per, Stahl u Eisen, 6 Nov 1952, pp 1409-1416.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98,289

Rooft-Temperature Measurement in Open-Hearth and
ARC Furnaces With Photoelectric Pyrometers, by
Kurt Guthmann, Paul-Eberhard Funcke, et al, 19 pp.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 23,
1952, pp 1418-1426.

SIA 60-18237

Sci

Apr61

146,129

Possibilities of Substituting Boron For Alloying
Metals in Carburizing and Heat Treating Steels,
by R Sacher, UNCLASSIFIED

GERMAN, Stahl Und Eisen, Vol LXXII, No 23, 1952,
pp 1433-1442.

Brutcher Order No 3000
Price \$13.40

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Scientific - Metallurgy

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Sci - KM/Mat
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Scientific - Steel, molten, oxygen

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Order from SLA \$1.10

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Scientific - Metallurgy, alloy, steel

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DESCRIPTORS: *Iron, *Castings, Furnaces, Oxygen,
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Sci - Engr
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Scientific - Metallurgy, tin, arsenic, heat, steels

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